

23277WOPCTSEQ

SEQUENCE LISTING

<110> Matthew Truppo
Hallena Strotman

<120> IMMOBILIZED TRANSAMINASES AND PROCESS
FOR MAKING AND USING IMMOBILIZED TRANSAMINASE

<130> 23277-US-PSP

<160> 2

<170> FastSEQ for windows Version 4.0

<210> 1

<211> 330

<212> PRT

<213> Artificial Sequence

<220>

<223> Engineered variant of Arthobacter transaminase

<400> 1

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Pro Leu Ala Gly Gly Ala Ala Trp Ile Gly Gly Ala Phe Val Pro Pro
      35      40      45
Ser Glu Ala Arg Ile Pro Ile Phe Asp Gln Gly Phe Tyr Thr Ser Asp
      50      55      60
Ala Thr Tyr Thr Thr Phe His Val Trp Asn Gly Asn Ala Phe Arg Leu
      65      70      75      80
Gly Asp His Ile Glu Arg Leu Phe Ser Asn Ala Glu Ser Ile Arg Leu
      85      90      95
Ile Pro Pro Leu Thr Gln Asp Glu Val Lys Glu Ile Ala Leu Glu Leu
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Val Ala Lys Thr Glu Leu Arg Glu Ala Met Val Thr Val Thr Ile Thr
      115     120     125
Arg Gly Tyr Ser Ser Thr Pro Phe Glu Arg Asp Ile Thr Lys His Arg
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Pro Gln Val Tyr Met Phe Ala Ser Pro Tyr Leu Gln Ile Val Pro Phe
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Asp Arg Ile Arg Asp Gly Val His Leu Met Val Ala Gln Ser Val Arg
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Arg Thr Pro Arg Ser Ser Ile Asp Pro Gln Val Lys Asn Phe Gln Trp
      180     185     190
Gly Asp Leu Ile Arg Ala Ile Gln Glu Thr His Asp Arg Gly Phe Glu
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Leu Pro Leu Leu Leu Asp Gly Asp Asn Leu Leu Ala Glu Gly Pro Gly
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Phe Asn Val Val Val Ile Lys Asp Gly Val Val Arg Ser Pro Gly Arg
      225     230     235     240
Ala Ala Leu Pro Gly Ile Thr Arg Lys Thr Val Leu Glu Ile Ala Glu
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Ser Leu Gly His Glu Ala Ile Leu Ala Asp Ile Thr Pro Ala Glu Leu
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Tyr Asp Ala Asp Glu Val Leu Gly Cys Ser Thr Gly Gly Gly Val Trp
      275     280     285
Pro Phe Val Ser Val Asp Gly Asn Ser Ile Ser Asp Gly Val Pro Gly
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Pro Val Thr Gln Ser Ile Ile Arg Arg Tyr Trp Glu Leu Asn Val Glu
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23277WOPCTSEQ

<210> 2
 <211> 990
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Engineered transaminase variant

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